CE-LINK®
ELECTRONICS TECHNOLOGY

User Manual

Technical Support :

Tel:
+86 755 2724 7963

Fax:
+86 755 2724 7835

E-mail:
service@ce-link.com

Address:
CE-LINK ELECTRONICS TECHNOLOGY
Room 1008, XingHe Tower
ShaJing Town, ShenZhen City
CHINA

Table Of Contents

1.0 Introduction……..……..……....2

2.0 Specifications…….……..……4

3.0 Package Contents…….…..5

4.0 Panel Descriptions…….……..…5

5.0 Connect and Operate.....6

6.0 Troubleshooting…….……..…7

7.0 Limited Warranty…….....7

HDMI EXTENDER (By CAT-5e/6 cable)

Model No. HCL0101

Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

1.0 INTRODUCTION

CE-Link's HCL0101 HDMI Extender by CAT-5e/6 uses two pieces of CAT-5e/6 cables to extend the HDTV display up to 30 merters for 1080p using Cat6 cable. It not only breaks the limitation of the HDMI cable transmission length，but also CAT-5e/6 has more flexibility and convenience in cable construction.

It is equipped with HDMI (high definition multimedia interface) connectors and is capable of supporting DVI (digital visual interface) equipment when used with an HDMI to DVI Adapter, providing greater flexibility and options when integrating several home theater components.

HCL0101 offers solutions for residential consumers: HDTV retail and show site, HDTV, STB, DVD and Projector factories, noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

1.1 BENEFITS

1) The length of HDMI cable is fixed and unchangeable after it is produced. Because the HDMI connector can only be soldered or terminated by the professional workers in factory, the users can not reduce or increase by themselves. However CAT-5e/6 cables are available everywhere and be processed easily by the user or installer.

2) Because the header of the long HDMI cable is big, using it must in hidden method. What's more, it is not easy to bend the HDMI cable and to pull it through the in-wall tube or tray. However, CAT-5e/6 cable has no such problems.

3) Using HCL0101, the transmission distance can be up to 60 meters for 480p while using CAT-5e/6 cable. For the general HDMI cables, they must be customized when the length is over 10 meters.

1.2 LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. China Electronics Technology Limited cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user of the hardware to check that it is suitable for his/her requirements and that it is installed correctly. All rights reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

China Electronics Technology Limited reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

All third party trademarks and copyrights are recognized. The CE-LINK logo is the registered trademarks of China Electronics Technology Limited.

1.3 FEATURES

The series of the HDMI Extender have many features that enable them to perform in a superior manner. Among those features you will find:

- One pair as a full functional module, no need of setting.
- CAT-5e/6 cable can substitute HDMI cable to achieve long distance transmission.
- Follow the standard of IEEE-568B.
- Transmission distance can be up to 30 meters for 1080p while using CAT-6 cable.
- Compact size.
- Signaling rates up to 1.65Gbps in support of 1080P display.
- HDCP compliant.

2.0 SPECIFICATIONS

Signal Inputs/Output	
Input Video Signal	0.5 -1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Maximum Single Link Range	1920X1200, 1080P
Output Video	HDMI 1.2a
Video format supported	
DTV/HDTV	1080P/1080i/720P/576P/480P/576i/480i
Transmission distance	
Using CAT6 Cable	30M for1080p
Using CAT5e/6 Cable	60M for 480p
Resolutions(HDTV)	
Interlaced(50&60Hz)	480i,576i,1080i
Progressive(50&60Hz)	480p,576p,720p,1080p
Mechanical	
Size(W-H-D)	45mmW x 25mmH x 81mmD
Weight(Net)	0.246KGs
Power Consumption	5Watts (max.)
Warranty	
Limited Warranty	1 Year Parts and Labor
Environmental	
Operating Temperature	0 to +70℃
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10℃ to +80℃
Storage Humidity	5% to 95 % RH (no condensation)
Power Requirement	
External Power Supply	5V DC@2A
Regulatory Approvals	
Converter Unit	FCC,CE,UL
Power Supply	UL,CE,FCC
Accessories Adapter	
AC Power Adapter	US standard, UK standard and so on
User Manual	

Note: 1:In order to achieve the high transmission quality, please choose the shielded CAT-5e or CAT-6 cable.

2:The cables with lower quality will not achieve the perfect transmission effect and long distance.

3:Theoretically the function of the product is normal when adopt short distance transmission.

If the product cannot transmit long distance, this is to say, there are quality problems in the transmission cables.

3.0 PACKAGE CONTENTS

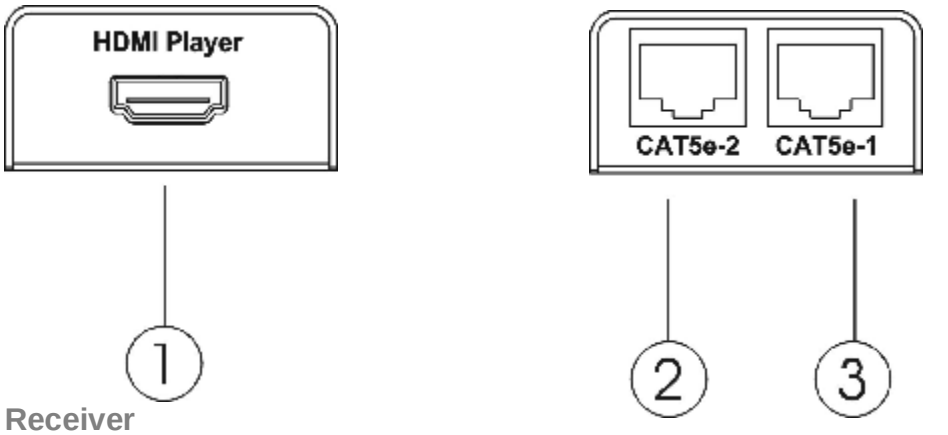
Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

1) Main unit NO. 1 Sender
2) Main unit NO. 2 Receiver
3) 5VDC Power Supply.
4) User's Manual

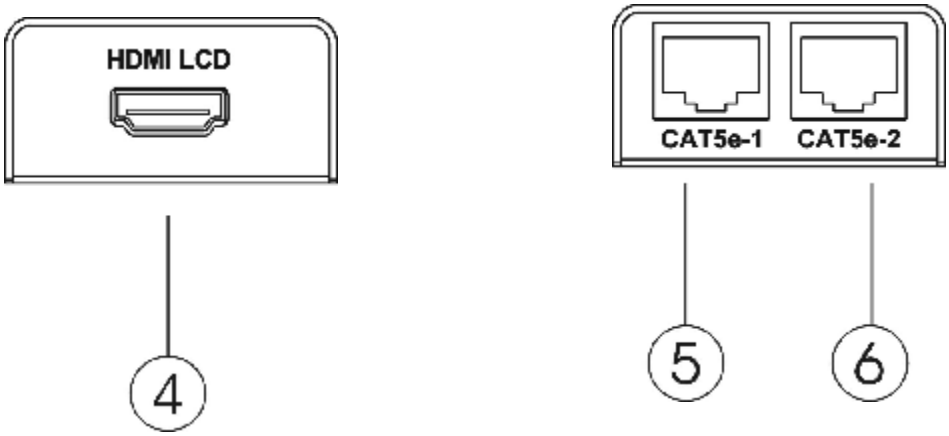
Note: Please retain the original packing material in the case of needing to return the unit. If you find any items are missing,contact China Electronics Technology Limited immediately. Please have the model number, serial number and invoice available for reference when you call.

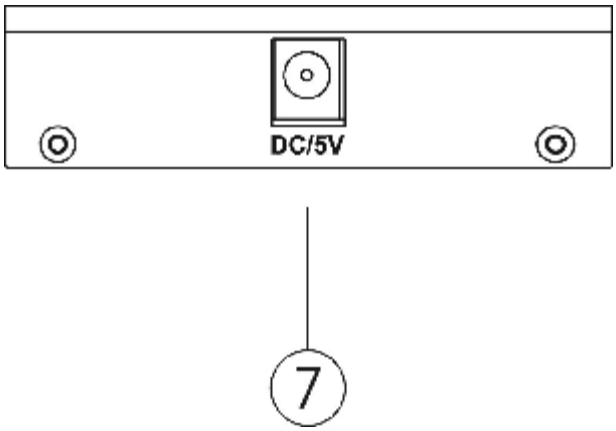
4.0 PANEL DESCRIPTIONS

Sender



Receiver





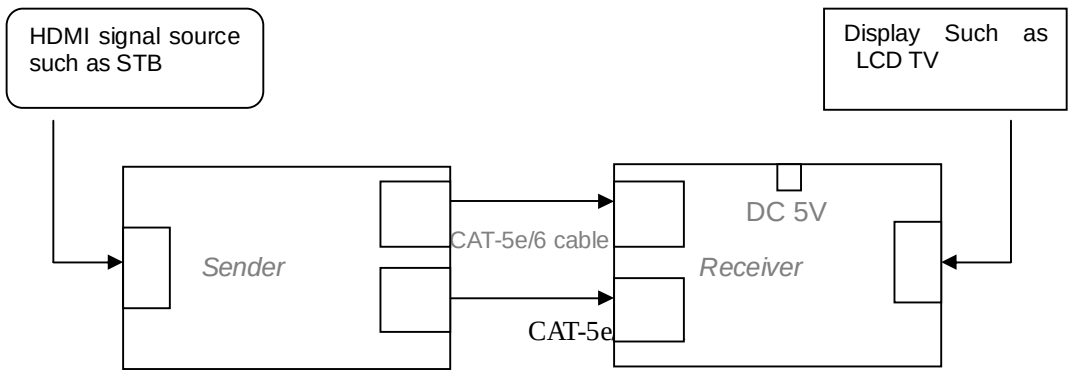
1) HDMI input.
2) CAT-5e output2.
3) CAT-5e output1.
4) HDMI output
5) CAT-5e input1
6) CAT-5e input2
7) Power Input

5.0 CONNECT AND OPERATE

1) Connect the HDMI input sources such as：HD-DVD、PS3、STB etc.
2) Connect two CAT-5E cables to both the output of the sender and input of the receiver.
3) Connect the HDMI output(such as : HD-LCD、HD-DLP)into receiver.
4) Plug the power into the receiver.

Attention: Insert / Extract cable gently.

5.1 CONNECTION DIAGRAM



6.0 TROUBLESHOOTING

If the product doesn't appear to be functioning, make certain that there are four points you should pay attention.

First, check the connection between the Hdmi cable and the extender correctly. They all should be connected with a length 6 feet or less. (In other words, make certain that the problem is not caused by long cables).

Second, mearsure the cable length you are attempting to use between the sender and the receiver.They all should connected correctly by Cat-6 cable for 1080p.then,they can reach the length of 30M. And if use cat5e/6 cable for 480p,they can reach 60M.

If the signal is present under those conditions,make certain that the power is present to the product. If it is, all cables should be premium quality.

Lastly, inspect the cables and connectors for damage.

7.0 LIMITED WARRANTY

Should any consumer product from China Electronics Technology Limited fail due to defects in materials or workmanship within one year from the date of the original sale to the end-user, China Electronics Technology Limited guarantees that we will replace the defective product at no cost. Freight charges for the replacement unit will be paid by the customers. A copy of the invoice showing the item number and date of purchase (proof-of-purchase) must be submitted with the defective unit to constitute a valid in-warranty claim.

Units that fail after the warranty period has expired may be returned to the factory for repair at a nominal charge, if not damaged beyond the point of repair. All freight charges for out-of-warranty returns for repair are the responsibility of the customer.Units returned for repair must have a Return Authorization Number assigned by the factory.

This is a limited warranty and is not applicable for products which,in our opinion, have been damaged, altered, abused, misused, or improperly installed. China Electronics Technology Limited makes no other warranties either expressed or implied, including limitation warranties as to merchantability or fitness for a particular purpose. Additionally, there are no allowances or credits available for service work or installation performed in the field by the end user.

Notice

China Electronics Technology Limited reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.